

Work Order ID 91956

91956

Page 1

October-19-12 2:49:00 PM

Item ID: D3022-1

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Seat Pan

Start Date: 10/19/12 Start Qty: 1.00

1

Cust Item ID:

Required Date: 11/09/12 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12-10-12 Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3022	Rev B

100

0.00

100

FLOW WATER JET

Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg D3022

Dwg Rev: B

Prog Rev: B

*** grind direction along 31.700" ***

NO HOLES, TRANSFER DRILLED AT ASSEMBLY

2-Deburr if necessary

110

QC2- Inspect parts off machine FAI/FAIB

0.00

110

QC

Memo

0.00

Quality Control

1 0 Jm 12-11-1

1 0 Jm 12-11-1

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY				
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

Work Order ID 91956

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91956

Page 2

Item ID: D3022-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Seat Pan
 Start Date: 10/19/12 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 11/09/12 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC8- Inspect parts - second check Memo	0.00 0.00 DAS 15 9-89 12/1/09				1			
130 *130* Brake NC Brake NC	Bend as per dwg Memo	0.00 0.00				1			SB 12/1/09
140 *140* QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00 DAS 15 9-89 12/1/09				1			

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

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QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
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FAULT CATEGORY				
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Page 3

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N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Seat Pan

Start Date: 10/19/12 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 11/09/12 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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200

Identify as per dwg & Stock Location: WA 0.00***200***

Packaging

Memo

0.00

Packaging

1K

SP

12-11-9

210

QC21- Final Inspection - Work Order Release 0.00

210

QC

Memo

0.00

Quality Control

12/11/13 JF

P 12-11-09

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

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Picklist Print

October-19-12 2:49:00 PM

Page 1

Work Order ID: 91956

Parent Item: D3022-1

Parent Item Name: Seat Pan

Start Date: 10/19/12

Required Date: 11/09/12

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP C02.01.23Revised NG
 IPP Rev:D 08-04-16 now water jet DD verified by:EC
 IPP Rev:E 08-12-18 as per ECN08-582 DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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M2024T3S.032		Purchased	No			100	sf	155.1261	1.6232	1.7086316			
2024-T3 .032 sheet										1.75			Jan 12-11-1

Location	Loc Qty	Loc Code
MAT022	155.1261	
118243	16.2481	
118523	70.5	
121309	54.578	
123096	13.8	

121309

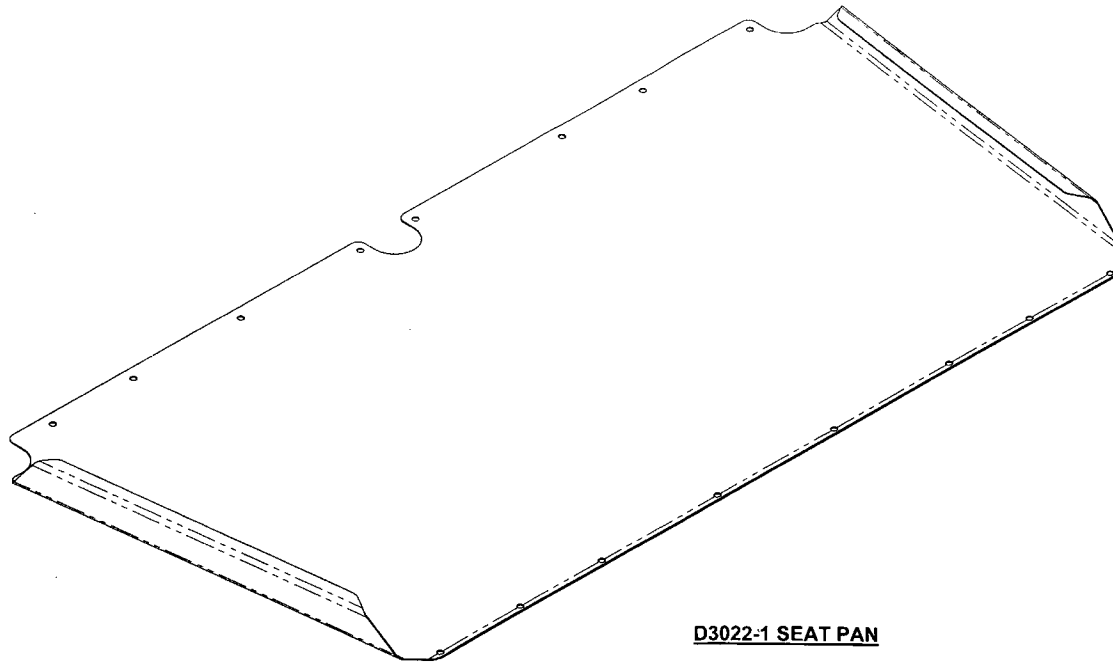
NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION <div style="display: flex; justify-content: space-around;"> <div style="text-align: right;">Rework <input type="checkbox"/></div> <div style="text-align: right;">Skid-tube <input type="checkbox"/></div> <div style="text-align: right;">Crosstube <input type="checkbox"/></div> <div style="text-align: right;">Water Jet <input type="checkbox"/></div> <div style="text-align: right;">Engineering <input type="checkbox"/></div> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: right;">Scrap <input type="checkbox"/></div> <div style="text-align: right;">Machining <input type="checkbox"/></div> <div style="text-align: right;">Small Fab <input type="checkbox"/></div> <div style="text-align: right;">Prod. Eng. Coord. <input type="checkbox"/></div> <div style="text-align: right;">Quality <input type="checkbox"/></div> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: right;">Use-as-is <input type="checkbox"/></div> <div style="text-align: right;">Thermoforming <input type="checkbox"/></div> <div style="text-align: right;">Finishing <input type="checkbox"/></div> <div style="text-align: right;">Rec/Store/Packaging <input type="checkbox"/></div> <div style="text-align: right;">Other <input type="checkbox"/></div> </div> <div style="text-align: right;">Work Order Update <input type="checkbox"/></div> <div style="text-align: right;">Large Fab <input type="checkbox"/></div> <div style="text-align: right;">Composite <input type="checkbox"/></div> <div style="text-align: right;">Supplier <input type="checkbox"/></div>	
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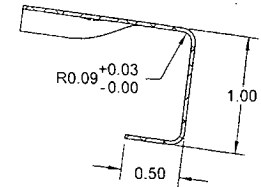
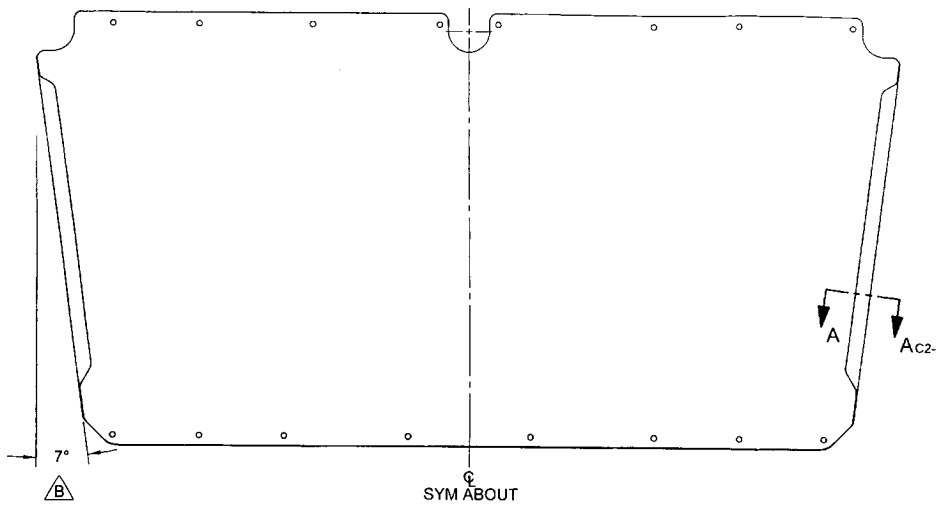
D3022-1 SEAT PAN

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 91956 MJS
12-10-22

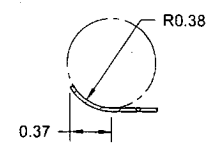
RELEASED
08/12/15 MJS

B	REDRAWN IN SOLIDWORKS TO CURRENT DESIGN STANDARDS AND TRANSFERRED TO "B" SIZE BORDER. SPLIT VIEWS FOR FORMED PART AND FLAT PATTERN. B7-2 7" DIM ADDED. D7-3 12.075 WAS 12.325, D8-3 9.175 WAS 9.425 & D5-3 5.300 WAS 5.550. REASON: DRAFTING ERROR.		AJS	08.11.27
A	NEW ISSUE		CP	01.05.18
REV.	DESCRIPTION		BY	DATE
DESIGN	CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3022 REV. B SHEET 1 OF 3 TITLE SEAT PAN SCALE NTS COPYRIGHT © 2001 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>		
DRAWN	AJS			
CHECKED				
MFG. APPR.				
APPROVED				
DE APPR.				
DATE	08.11.27			

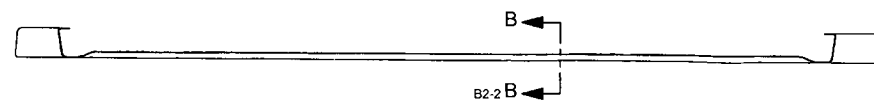
91956



SECTION A-A C4-2
SCALE 4X



SECTION B-B A5-2
SCALE 4X



D3022-1 SEAT PAN

RELEASED
08/12/15

- NOTES:**
- 1) MATERIAL: MAKE FROM D3022-1F
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT GREY SANDEX (4.3.5.6) PER DART QSI 005 4.3
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3022-1" USING FINE POINT PERMANENT INK MARKER
 - 7) WEIGHT: 1.36 lbs

DESIGN	CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO. D3022	REV. B
MFG. APPR.			SHEET 2 OF 3
APPROVED		TITLE SEAT PAN	SCALE
DE APPR.			NTS
DATE	08.11.27	<small>COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

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